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www.huawei.com

[illegible] © 2018 [illegible]

前言

• 本章主要介绍如何通过技术手段获取有效信息，并针对获取的信息分析，定位安全风险与威胁。
• 数据的收集可以从互联的网络设备中采集，也可以检查提供服务的终端系统。在安全事件发生前，通过数据的监控和分析，主动分析网络的安全风险，加固网络；在安全事件发生后，通过数据的监控和分析，迅速定位安全威胁，为攻击防御与取证提供支持。

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[illegible] © 2018 [illegible]

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2. [illegible]

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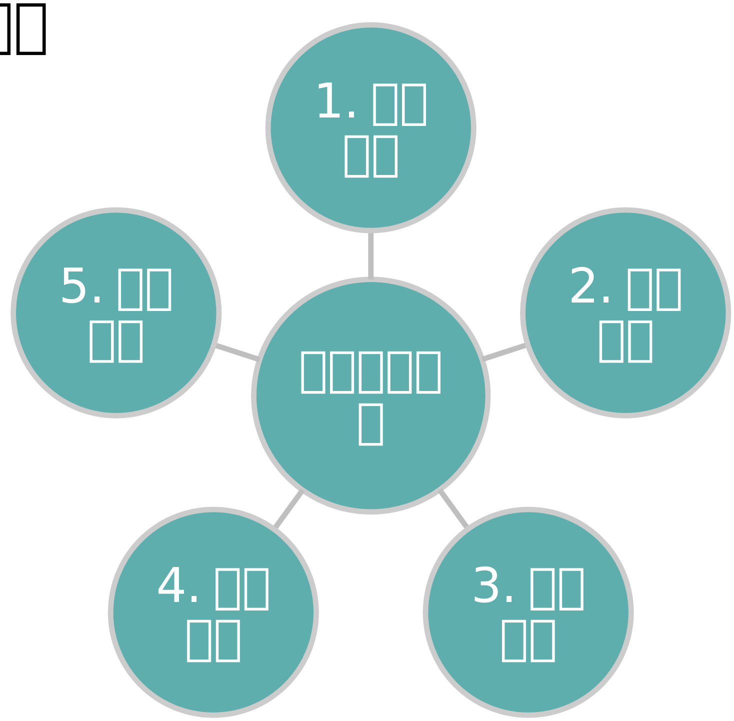
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[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	superscan	[illegible] • [illegible] Ping [illegible] IP [illegible] • [illegible] • [illegible]
		Nmap	[illegible] Linux [illegible]
	[illegible]	Sparta	[illegible] Kali [illegible]
	[illegible]	Burp Suite	Burp Suite [illegible] web [illegible]

Superscan 工具使用展示

• 如图，使用Superscan 对实验环境中的web服务器进行扫描，测试如图：

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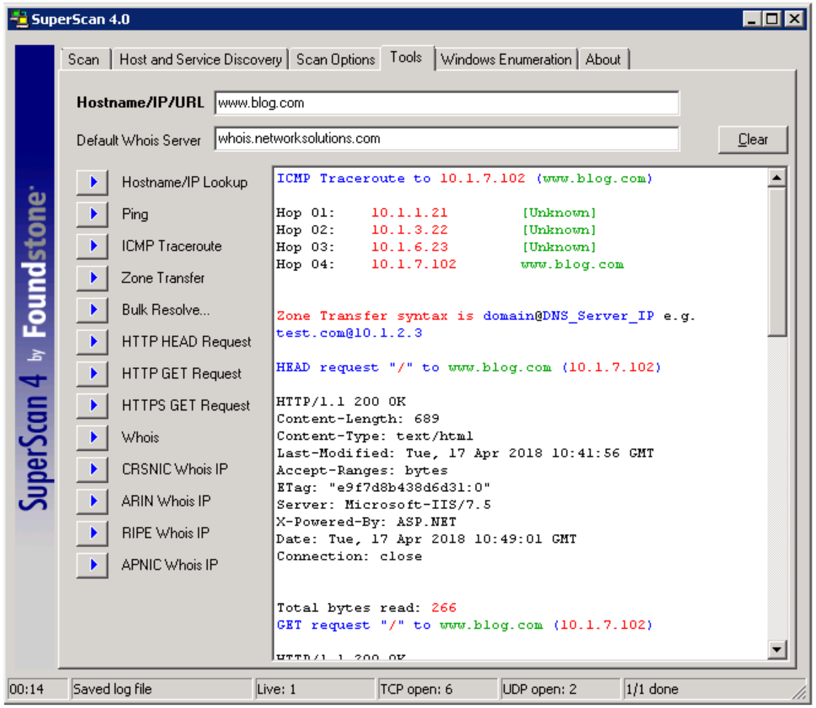
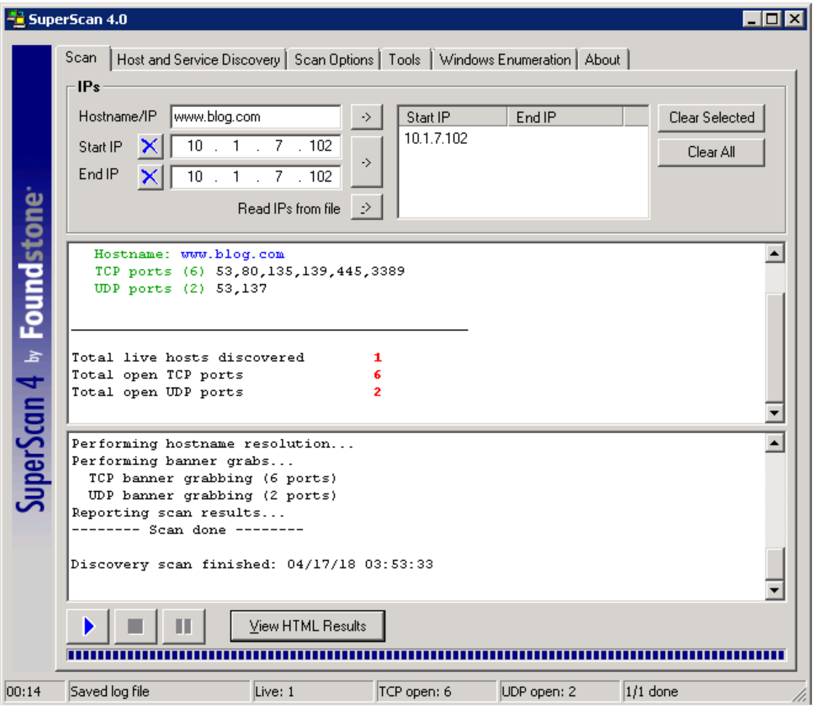
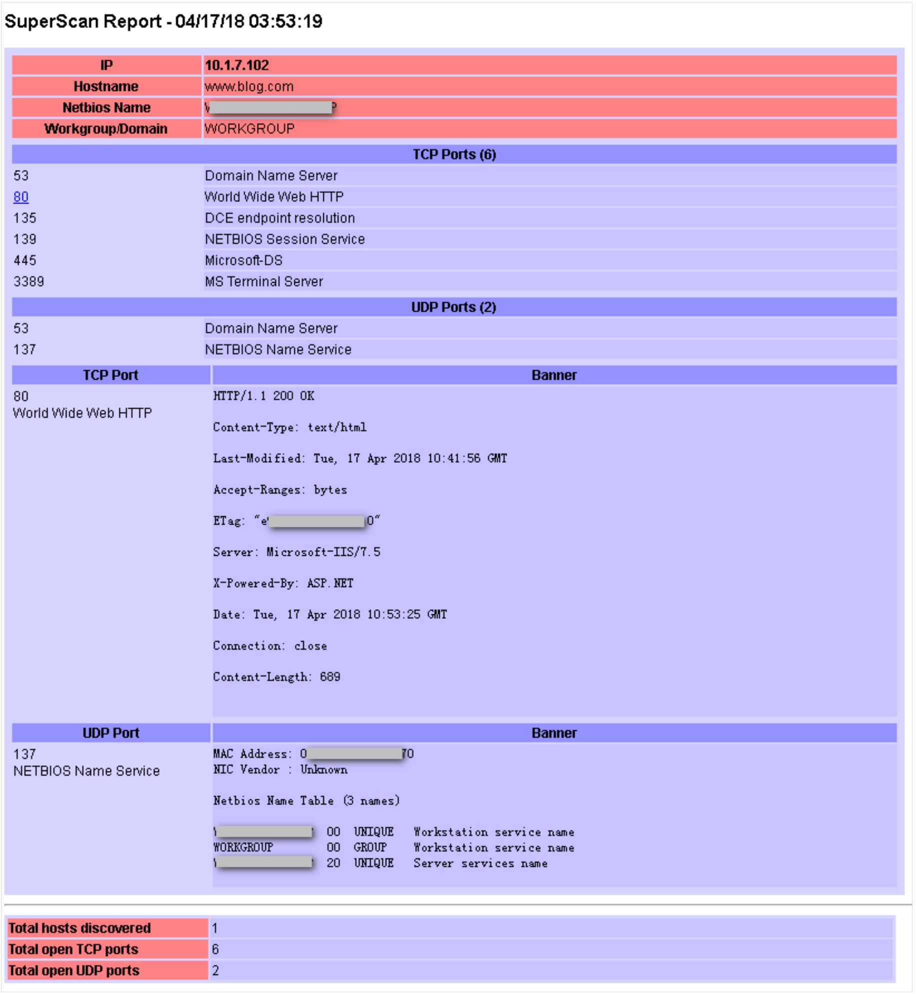




□□ Superscan □□□□

- □“ Scan” □□□□□
  □“ View HTML Result” □□□□□□□□□□□□



SuperScan Report - 04/17/18 03:53:19

IP	**10.1.7.102**
Hostname	www.blog.com
Netbios Name	[redacted]
Workgroup/Domain	WORKGROUP
TCP Ports (6)	
53	Domain Name Server
80	World Wide Web HTTP
135	DCE endpoint resolution
139	NETBIOS Session Service
445	Microsoft-DS
3389	MS Terminal Server
UDP Ports (2)	
53	Domain Name Server
137	NETBIOS Name Service

TCP Port	Banner
80 World Wide Web HTTP	HTTP/1.1 200 OK Content-Type: text/html Last-Modified: Tue, 17 Apr 2018 10:41:56 GMT Accept-Ranges: bytes ETag: "e[redacted]0" Server: Microsoft-IIS/7.5 X-Powered-By: ASP.NET Date: Tue, 17 Apr 2018 10:53:25 GMT Connection: close Content-Length: 689

UDP Port	Banner
137 NETBIOS Name Service	MAC Address: 0[redacted]70 NIC Vendor : Unknown Netbios Name Table (3 names) [redacted] 00 UNIQUE Workstation service name WORKGROUP 00 GROUP Workstation service name [redacted] 20 UNIQUE Server services name

Total hosts discovered	1
Total open TCP ports	6
Total open UDP ports	2

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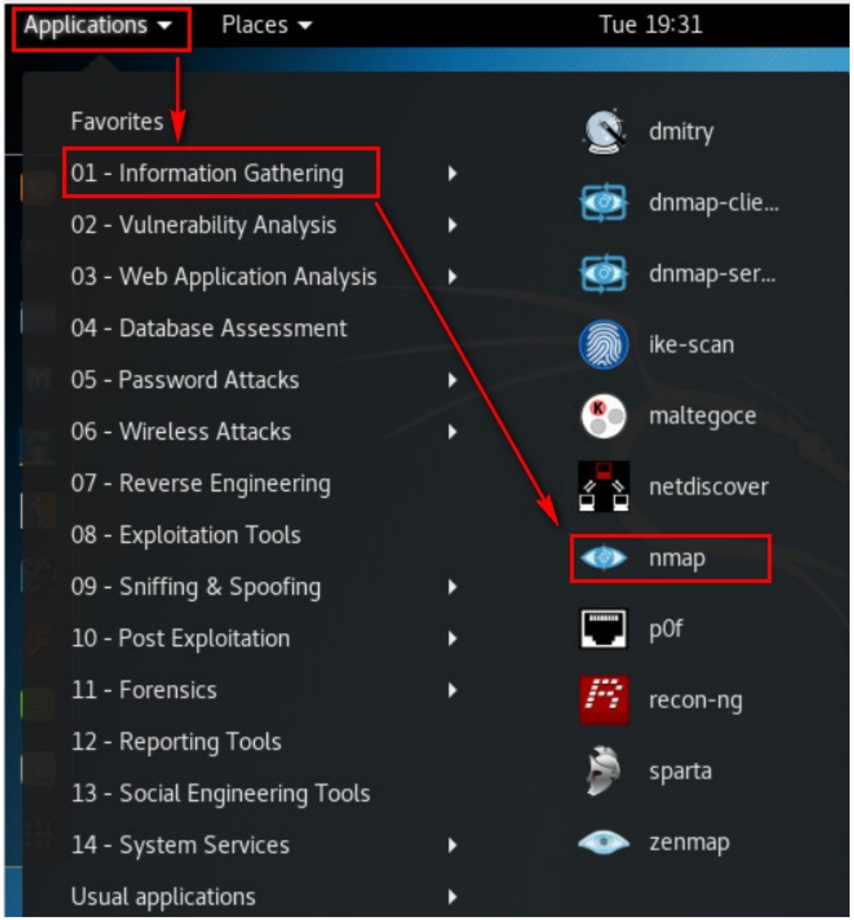
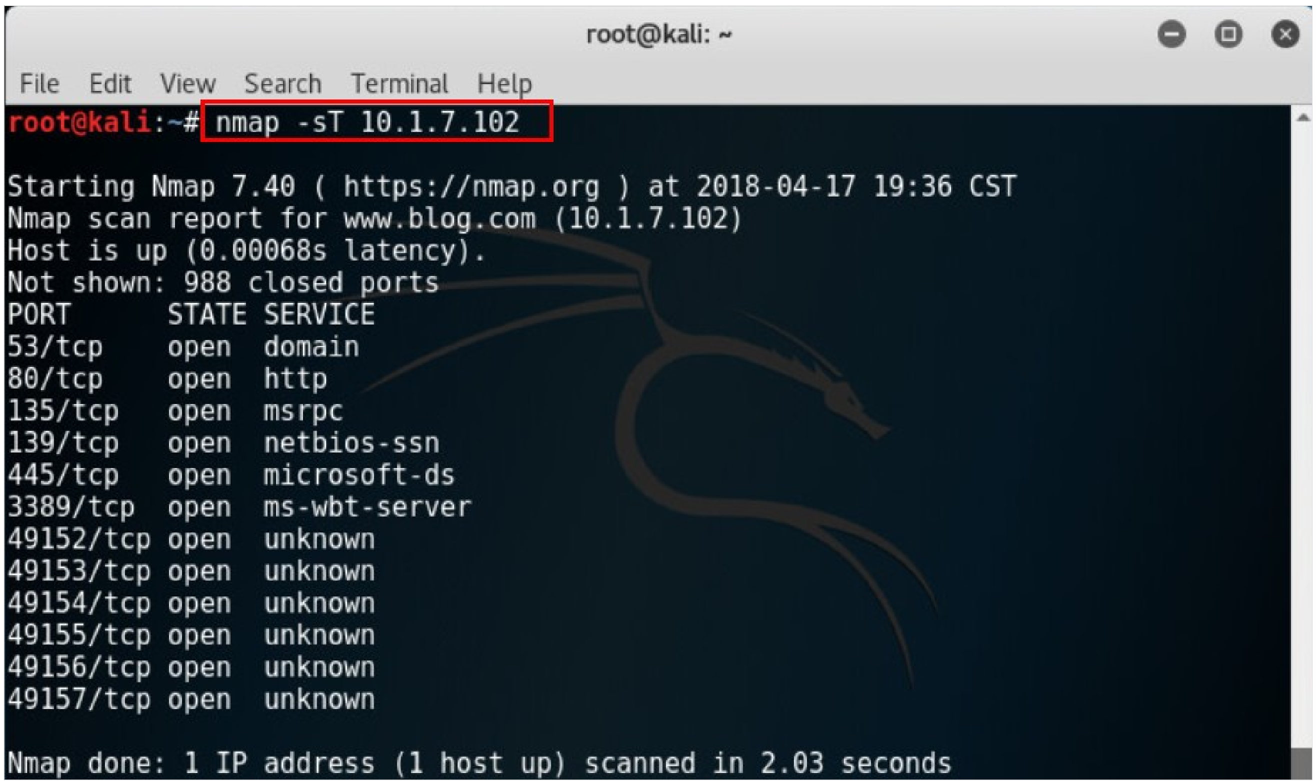
Nmap [illegible]

- [illegible]“ Application” [illegible]“ Information Gathering” [illegible]“ Nmap” [illegible]



查看Nmap扫描结果

• 根据 Nmap工具的参数规则，对目标系统进行信息收集，如下图是对主机开放的TCP端口进行扫描：



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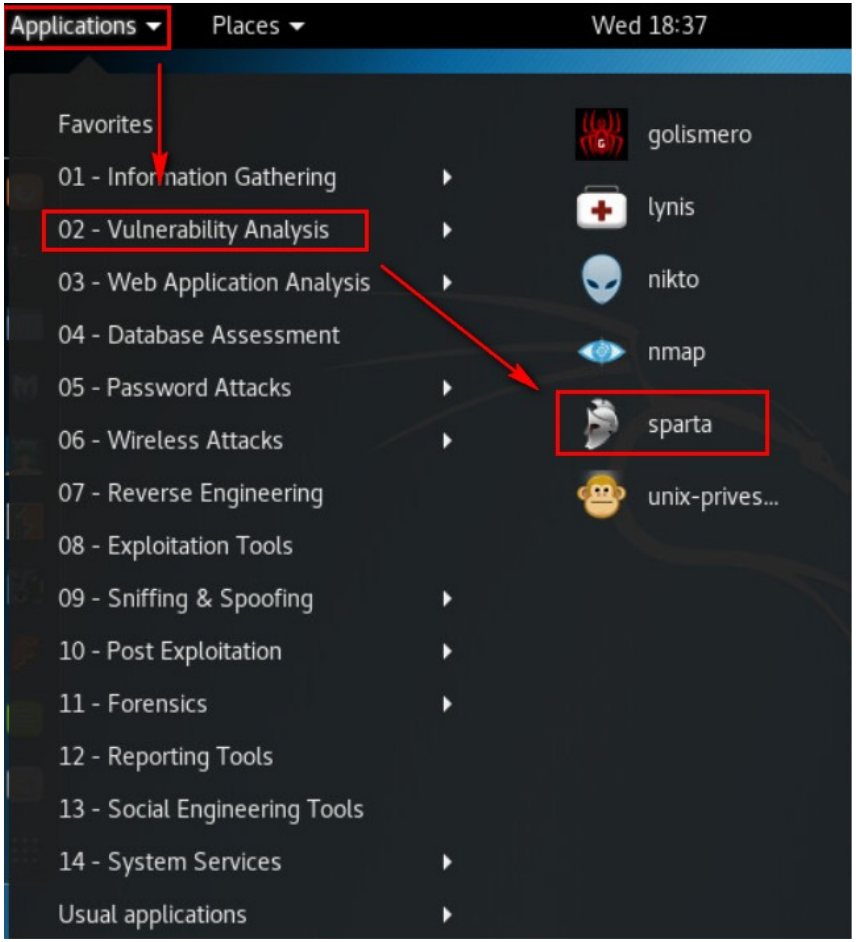
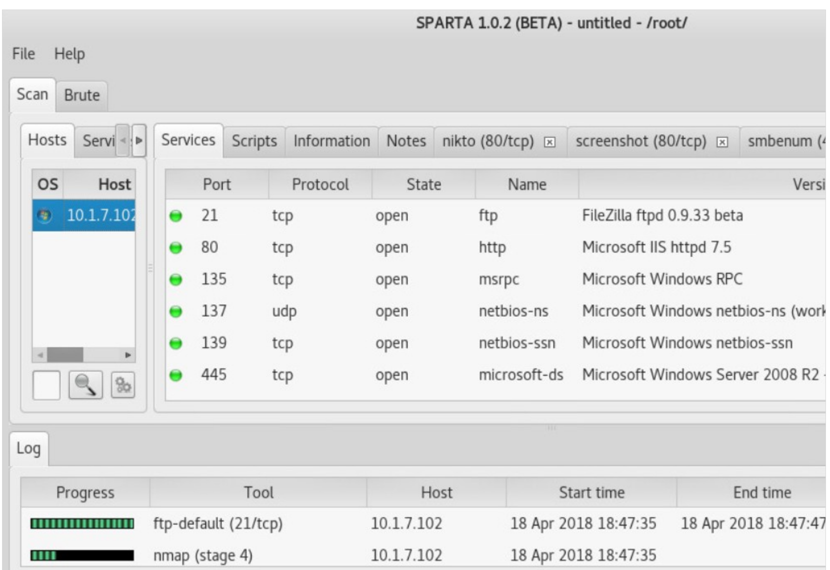
Sparta □□□□□□

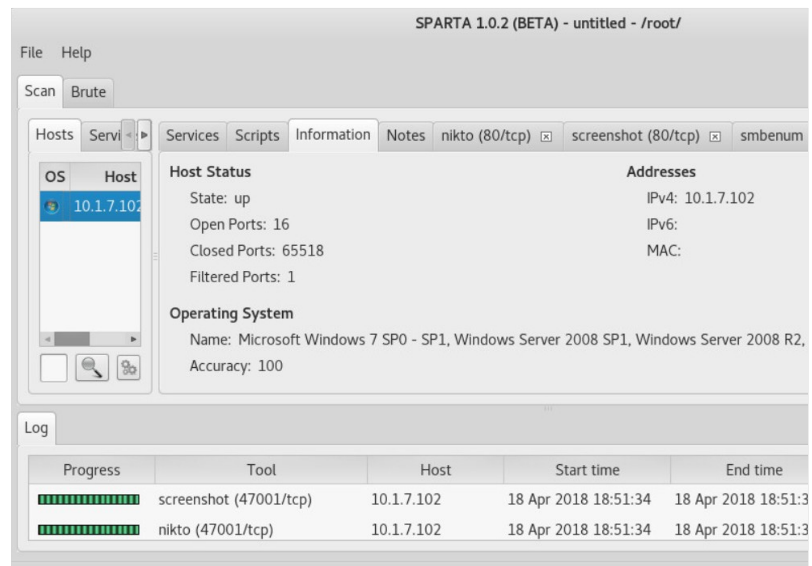
- □□“ Application” □□“ Vulnerability Analysis” □□□“ Sparta” □□□□



[illegible] Sparta [illegible]

- [illegible]

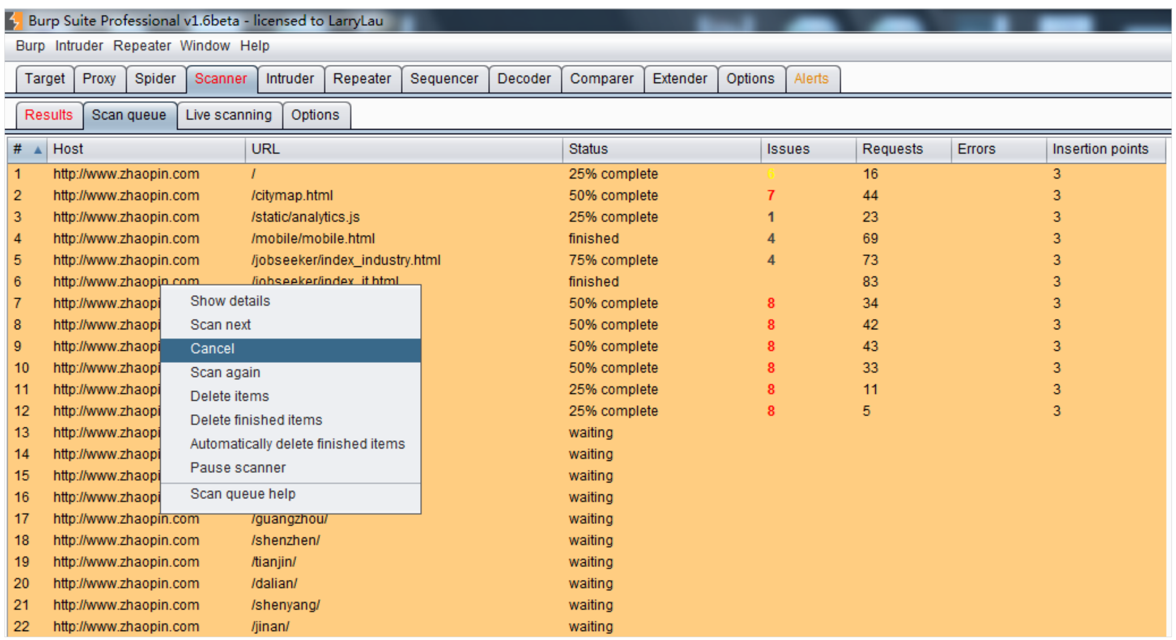

SPARTA 1.0.2 (BETA) - untitled - /root/
File Help
Scan Brute
Hosts Servi
Services Scripts Information Notes nikto (80/tcp) screenshot (80/tcp) smbenum
OS Host
10.1.7.102
Port Protocol State Name Versi
21 tcp open ftp FileZilla ftpd 0.9.33 beta
80 tcp open http Microsoft IIS httpd 7.5
135 tcp open msrpc Microsoft Windows RPC
137 udp open netbios-ns Microsoft Windows netbios-ns (work
139 tcp open netbios-ssn Microsoft Windows netbios-ssn
445 tcp open microsoft-ds Microsoft Windows Server 2008 R2
Log
Progress Tool Host Start time End time
ftp-default (21/tcp) 10.1.7.102 18 Apr 2018 18:47:35 18 Apr 2018 18:47:47
nmap (stage 4) 10.1.7.102 18 Apr 2018 18:47:35


SPARTA 1.0.2 (BETA) - untitled - /root/
File Help
Scan Brute
Hosts Servi
Services Scripts Information Notes nikto (80/tcp) screenshot (80/tcp) smbenum
OS Host
10.1.7.102
Host Status
State: up
Open Ports: 16
Closed Ports: 65518
Filtered Ports: 1
Addresses
IPv4: 10.1.7.102
IPv6:
MAC:
Operating System
Name: Microsoft Windows 7 SP0 - SP1, Windows Server 2008 SP1, Windows Server 2008 R2,
Accuracy: 100
Log
Progress Tool Host Start time End time
screenshot (47001/tcp) 10.1.7.102 18 Apr 2018 18:51:34 18 Apr 2018 18:51:3
nikto (47001/tcp) 10.1.7.102 18 Apr 2018 18:51:34 18 Apr 2018 18:51:3

[illegible] © 2018 [illegible]

Burp Suite □□□□

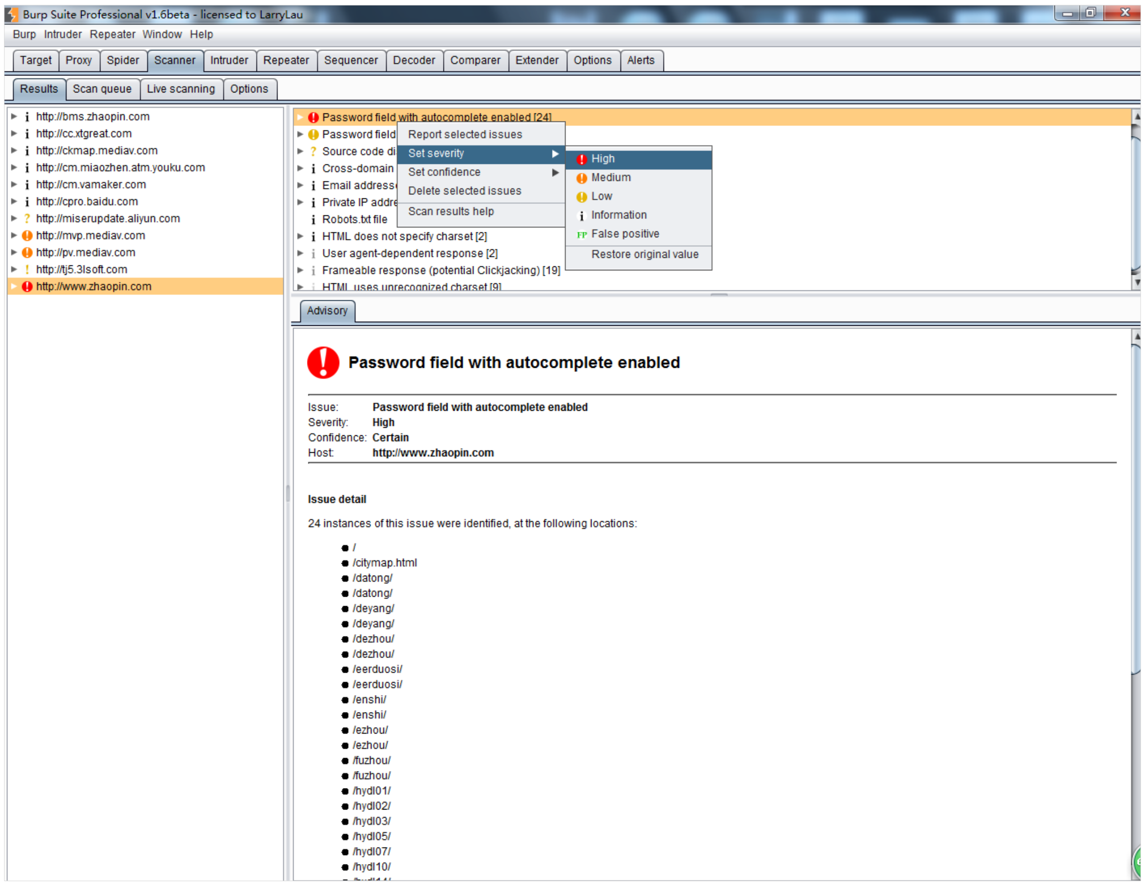
- Burp Suite □□□□□□□□□□□ payload □□□□□□□□□□□□□□□□□□□□□□□
  - □□□□□□□□ XSS □ Http □□□□□□□□□□
  - □□□□□□□□ SQL □□□□□□□□□□□□□□



□□□□ © 2018 □□□□□□□□

Burp Suite扫描结果

• 在 Results界面，自动显示队列中已经扫描完成的漏洞明细。



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操作运行

1. 网络管理员是否建议网络系统的配置修改记录？

A. 是　　B. 否　　C. 其他__________

2. 对网络中运行的重要服务器和路由器是否进行定期的审计和检查？

A. 是　　B. 否　　C. 其他__________

3. 对于骨干网路由器是否严格使用固定终端进行配置和管理？

A. 是　　B. 否　　C. 其他__________

4. 是否选用了网络系统运行的入侵检测设备，及时的发现和控制系统的入侵事件？

A. 是　　B. 否　　C. 其他__________

5. 在设计新应用系统时，是否考虑了将来的资源和容量需求？

A. 是　　B. 否　　C. 其他__________

6. 重要主机的管理员是都监视主要系统资源的使用情况，包括处理器、主存储器、文件存储器以及通信系统带宽？

A. 是　　B. 否　　C. 其他__________

[illegible]

[illegible] | [illegible] | [illegible] | [illegible] | **[illegible]**

- [illegible]
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- [illegible]
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  - [illegible]
  - [illegible]

安全管理访谈记录

序号	所属范畴	调查内容	调查结果
1	安全策略	公司是否有成体系的，统一的安全策略？	
2	安全策略	安全策略是否细化到了对信息安全各个方面的集体要求？	
3	安全策略	安全策略是否制定了专人进行维护？	
4	安全策略	是否对已公布的安全策略进行回顾，检查和发现其中不合适或已经过时的地方？	
5	安全组织	公司是否成立专门的信息安全部门或工作组负责安全管理工作？	
6	安全组织	公司是否有相关部门或领导能够协调各部门的安全管理的执行工作？	
7	安全组织	公司是否明确要求个人对个人管理的资产的安全进行负责？对于员工违背安全策略和安全流程，是否有明确的纪律处分规定？	

[illegible]

1. **[illegible]**
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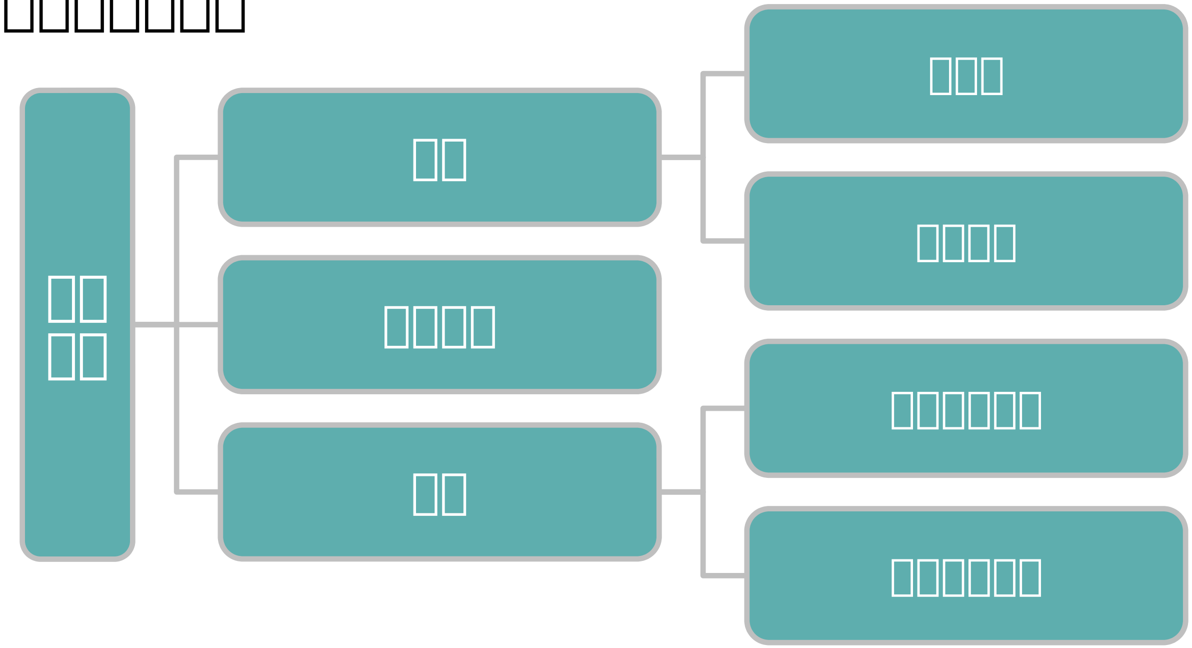
2. [illegible]



□□ - □□□ (1)

- □□□□□□OSPF□□□□□□□

```
<Switch> debugging ospf event
Apr 12 2018 12:03:16.370.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 1136 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv HelloReceived State Down -> Init.
Apr 12 2018 12:03:16.380.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 1732 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv 2WayReceived State Init -> 2Way.
Apr 12 2018 12:03:16.390.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 1732 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv AdjOk? State 2Way -> ExStart.
Apr 12 2018 12:03:16.400.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 1845 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv NegotiationDone State ExStart -> Exchange.
Apr 12 2018 12:03:16.410.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 1957 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv ExchangeDone State Exchange -> Loading.
Apr 12 2018 12:03:16.430.1-05:00 SW3 RM/6/RMDEBUG:
 FileID: 0x7017802d Line: 2359 Level: 0x20
  OSPF 1: Nbr 10.1.10.34 Rcv LoadingDone State Loading -> Full.
```

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[illegible] - [illegible] (2)

- [illegible] OSPF [illegible]

```
<Switch> debugging ospf packet
Apr 12 2018 12:05:42.930.2-05:00 SW3 RM/6/RMDEBUG:  Source Address:
10.1.10.34
Apr 12 2018 12:05:42.930.3-05:00 SW3 RM/6/RMDEBUG:  Destination Address:
224.0.0.5
Apr 12 2018 12:05:42.940.1-05:00 SW3 RM/6/RMDEBUG:  Ver# 2, Type: 1 (Hello)
Apr 12 2018 12:05:42.940.2-05:00 SW3 RM/6/RMDEBUG:  Length: 48, Router:
34.34.34.34
Apr 12 2018 12:05:42.940.3-05:00 SW3 RM/6/RMDEBUG:  Area: 0.0.0.0, Chksum:
4dcf
Apr 12 2018 12:05:42.940.4-05:00 SW3 RM/6/RMDEBUG:  AuType: 00
Apr 12 2018 12:05:42.940.5-05:00 SW3 RM/6/RMDEBUG:  Key(ascii): * * * * * * *
*d
Apr 12 2018 12:05:42.940.6-05:00 SW3 RM/6/RMDEBUG:  Net Mask: 255.255.255.0e
Apr 12 2018 12:05:42.940.7-05:00 SW3 RM/6/RMDEBUG:  Hello Int: 10, Option:
_E_
Apr 12 2018 12:05:42.940.8-05:00 SW3 RM/6/RMDEBUG:  Rtr Priority: 1, Dead
Int: 40
Apr 12 2018 12:05:42.940.9-05:00 SW3 RM/6/RMDEBUG:  DR: 10.1.10.34
Apr 12 2018 12:05:42.940.1-05:00 SW3 RM/6/RMDEBUG:  BDR: 10.1.10.33
Apr 12 2018 12:05:42.940.2-05:00 SW3 RM/6/RMDEBUG:  # Attached Neighbors: 1
Apr 12 2018 12:05:42.940.3-05:00 SW3 RM/6/RMDEBUG:  Neighbor: 33.33.33.33
```

[illegible] © 2018 [illegible]

抓包 - 工具 (1)

• 使用wireshark抓包工具，查看OSPF邻居建立过程。

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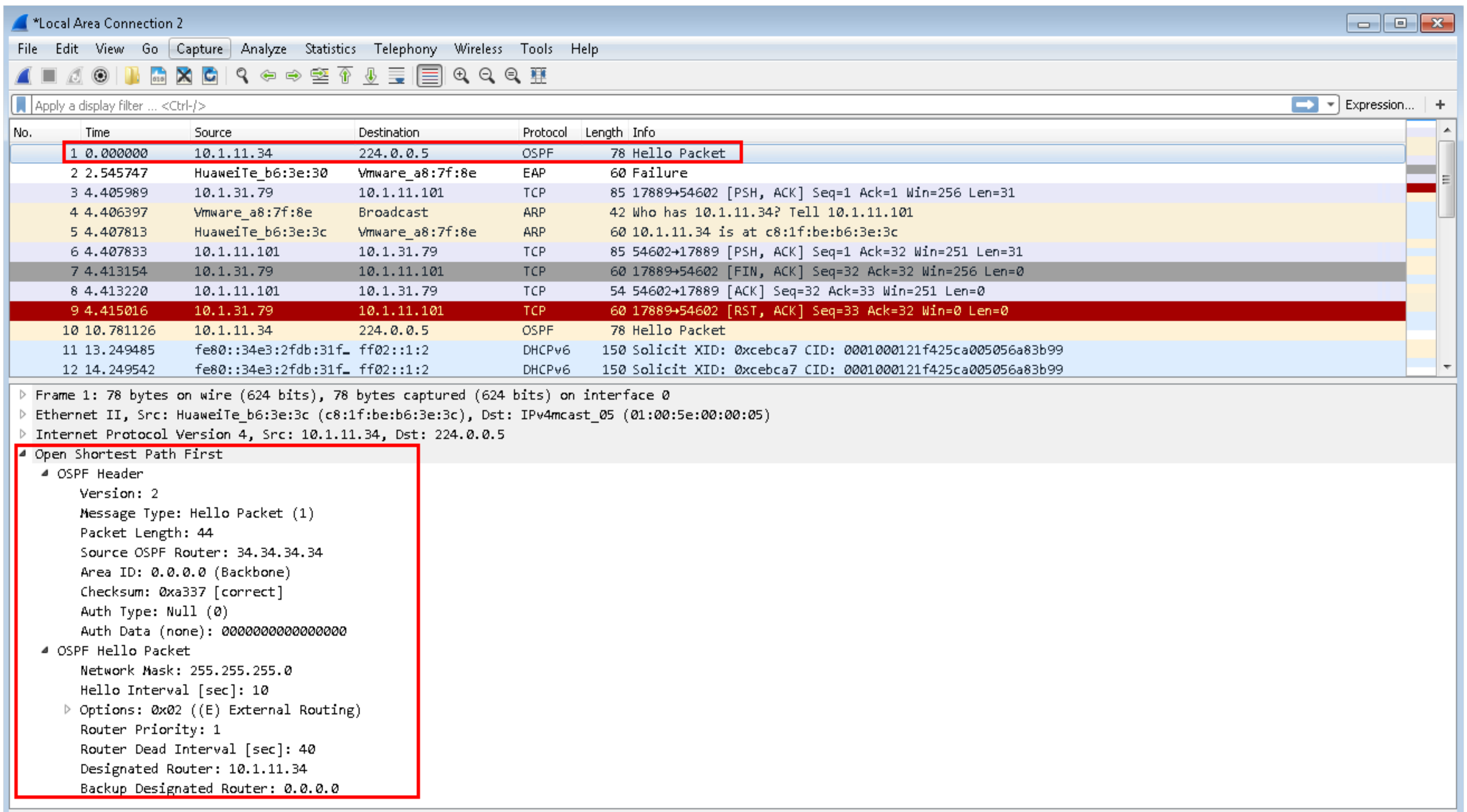
□□ - □□ (2)

- □□ wireshark □□□□□□□ OSPF □□□□□□□□□□



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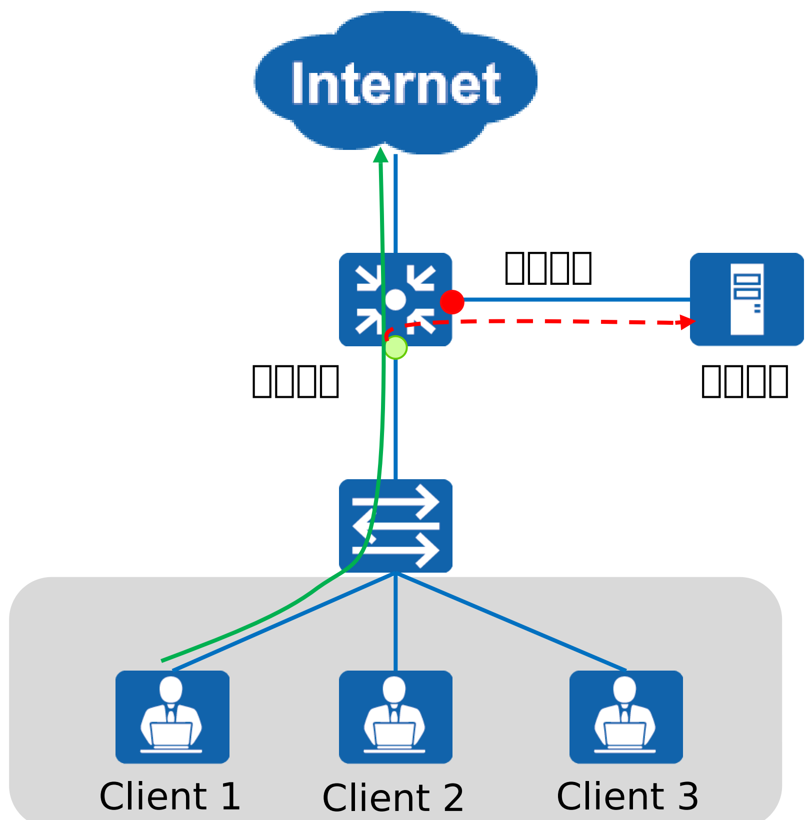
Internet
Client 1
Client 2
Client 3

网络设备日志

• 以 USG6330为例，支持日志与报表，当硬盘不在位时，仅能查看并导出系统日志及业务日志。
• 硬盘不在位： • 硬盘在位：

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[illegible]	[illegible]
[illegible]	[illegible] FW [illegible]
Syslog [illegible]	[illegible] Syslog [illegible]
Netflow [illegible]	[illegible] FW [illegible] Netflow [illegible] IP [illegible]
Dataflow [illegible]	[illegible] Dataflow [illegible]

[illegible] © 2018 [illegible]

[illegible]

- [illegible] USG6000 [illegible]
  - [illegible]“[illegible] > [illegible] > [illegible]”[illegible]

系统日志列表

导出 刷新 请选择安全级别 查询 清除查询

安全级别	日志类型	时间	日志源	描述
警告	CFGCHECK	2018/4/13 15:49:57	FW1 %%01HRPI/4/CFGCHECK(l)[0]:	HRP checks the local and the remote devices, and the result is Different Configuration.
警告	DOWNLOAD_FAIL	2018/4/12 22:40:50	FW1 %%01UPDATE/4/DOWNLOAD_FAIL(l)[1]:	新版本下载失败。（日志序号=140，用户名=SystemTimer，IP地址=**，模块名=CNC，升级方式=auto-update，下载时长（…
警告	DOWNLOAD_FAIL	2018/4/12 22:40:43	FW1 %%01UPDATE/4/DOWNLOAD_FAIL(l)[2]:	新版本下载失败。（日志序号=139，用户名=SystemTimer，IP地址=**，模块名=IP-REPUTATION，升级方式=auto-update，…
警告	DOWNLOAD_FAIL	2018/4/12 22:40:30	FW1 %%01UPDATE/4/DOWNLOAD_FAIL(l)[3]:	新版本下载失败。（日志序号=138，用户名=SystemTimer，IP地址=**，模块名=SA-SDB，升级方式=auto-update，下载时长…
警告	DOWNLOAD_FAIL	2018/4/12 22:40:23	FW1 %%01UPDATE/4/DOWNLOAD_FAIL(l)[4]:	新版本下载失败。（日志序号=137，用户名=SystemTimer，IP地址=**，模块名=AV-SDB，升级方式=auto-update，下载时长…
警告	DOWNLOAD_FAIL	2018/4/12 22:40:10	FW1 %%01UPDATE/4/DOWNLOAD_FAIL(l)[5]:	新版本下载失败。（日志序号=136，用户名=SystemTimer，IP地址=**，模块名=IPS-SDB，升级方式=auto-update，下载时…
警告	CFGCHECK	2018/4/12 15:49:57	FW1 %%01HRPI/4/CFGCHECK(l)[6]:	HRP checks the local and the remote devices, and the result is Different Configuration.
警告	NBR_CHANGE_E	2018/4/12 11:20:01	FW1 %%01OSPF/4/NBR_CHANGE_E(l)[7]:	邻居改变事件，邻居状态改变。(进程号=1，邻居地址=10.1.50.33，邻居事件=LoadingDone，邻居先前状态=Loading，邻居…
警告	NBR_CHANGE_E	2018/4/12 11:20:01	FW1 %%01OSPF/4/NBR_CHANGE_E(l)[8]:	邻居改变事件，邻居状态改变。(进程号=1，邻居地址=10.1.50.33，邻居事件=ExchangeDone，邻居先前状态=Exchange，邻…
警告	NBR_CHANGE_E	2018/4/12 11:20:01	FW1 %%01OSPF/4/NBR_CHANGE_E(l)[9]:	邻居改变事件，邻居状态改变。(进程号=1，邻居地址=10.1.50.33，邻居事件=NegotiationDone，邻居先前状态=ExStart，…
警告	NBR_CHANGE_E	2018/4/12 11:20:01	FW1 %%01OSPF/4/NBR_CHANGE_E(l)[10]:	邻居改变事件，邻居状态改变。(进程号=1，邻居地址=10.1.50.33，邻居事件=2WayReceived，邻居先前状态=Init，邻居当…
警告	NBR_CHANGE_E	2018/4/12 11:19:54	FW1 %%01OSPF/4/NBR_CHANGE_E(l)[11]:	邻居改变事件，邻居状态改变。(进程号=1，邻居地址=10.1.50.33，邻居事件=1-Way，邻居先前状态=Full，邻居当前状态=…
错误	NBR_DOWN_REASON	2018/4/12 11:19:54	FW1 %%01OSPF/3/NBR_DOWN_REASON(l)[1…	邻居状态离开full或邻居状态Down。(进程号=1，邻居路由器标识=33.33.33.33，邻居区域ID=0，邻居接口=GigabitEtherne…

[illegible] © 2018 [illegible]

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- [illegible] USG6000 [illegible]
  - [illegible]“[illegible] > [illegible] > [illegible]”[illegible]

业务日志列表

导出　　刷新　请选择安全级别　查询　清除查询

安全级别	日志类型	时间	日志源	描述
警告	FIREWALLATCK	2018/3/21 18:04:44	FW1 %%01ATK/4/FIREWALLATCK(l)[30]:	攻击类型="IP spoof attack", 槽位号=" ", CPU号="0", 接收接口="GE1/0/1 ", 协议=…
警告	FIREWALLATCK	2018/3/21 17:57:44	FW1 %%01ATK/4/FIREWALLATCK(l)[31]:	攻击类型="IP spoof attack", 槽位号=" ", CPU号="0", 接收接口="GE1/0/1 ", 协议=…
警告	FIREWALLATCK	2018/3/21 17:52:44	FW1 %%01ATK/4/FIREWALLATCK(l)[32]:	攻击类型="IP spoof attack", 槽位号=" ", CPU号="0", 接收接口="GE1/0/1 ", 协议=…
警告	FIREWALLATCK	2018/3/20 20:20:44	FW1 %%01ATK/4/FIREWALLATCK(l)[33]:	攻击类型="IP spoof attack", 槽位号=" ", CPU号="0", 接收接口="GE1/0/1 ", 协议=…
警告	VIRUS	2018/3/20 19:35:05	FW1 %%01AV/4/VIRUS(l)[44]:	AV检测发现病毒。(日志序号=1，虚拟系统="public"，安全策略="to_internet"，…
警告	FILTER	2018/3/18 19:19:15	FW1 %%01URL/4/FILTER(l)[45]:	命中URL过滤策略。(日志序号=1，虚拟系统="public"，安全策略="to_internet2"…
警告	BEHAVIORCTL	2018/3/18 19:04:59	FW1 %%01APPCTL/4/BEHAVIORCTL(l)[46]:	命中应用行为管控策略。(日志序号=1，虚拟系统="public"，安全策略="to_intern…
警告	DATAFILTER	2018/3/18 18:48:58	FW1 %%01DLP/4/DATAFILTER(l)[47]:	发现网络中传输包含违规字符的数据。(日志序号=3，虚拟系统="public"，安全策略…
警告	DATAFILTER	2018/3/18 18:48:11	FW1 %%01DLP/4/DATAFILTER(l)[48]:	发现网络中传输包含违规字符的数据。(日志序号=2，虚拟系统="public"，安全策略…
警告	FILEBLOCK	2018/3/18 18:18:36	FW1 %%01DLP/4/FILEBLOCK(l)[49]:	发现网络中传输违规的文件类型。(日志序号=1，虚拟系统="public"，安全策略="t…

[illegible]

- [illegible]USG6000 [illegible]
  - [illegible]“[illegible] > [illegible] > [illegible]”[illegible]

告警信息列表

导出 刷新

级别	时间	告警源	描述
警告	2018/4/13 17:25:53	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.150，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…
警告	2018/4/13 17:25:15	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=169.254.1.1，冲突前的接口=GigabitEthernet0/0/0，冲突前的MAC…
警告	2018/4/13 17:20:28	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.159，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…
警告	2018/4/13 17:20:19	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.100.251，冲突前的接口=GigabitEthernet0/0/0，冲突前的…
警告	2018/4/13 17:18:46	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.160，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…
警告	2018/4/13 17:15:14	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=169.254.1.1，冲突前的接口=GigabitEthernet0/0/0，冲突前的MAC…
警告	2018/4/13 17:14:00	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.163，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…
警告	2018/4/13 17:13:45	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.161，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…
警告	2018/4/13 17:10:14	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.100.251，冲突前的接口=GigabitEthernet0/0/0，冲突前的…
警告	2018/4/13 17:08:46	FW1 ARP/4/ARP_IPCONFLICT_TRAP:	OID 1.3.6.1.4.1.2011.5.25.123.2.6 ARP检测到IP地址冲突。（IP地址=172.21.3.159，冲突前的接口=GigabitEthernet0/0/0，冲突前的MA…

[illegible] © 2018 [illegible]

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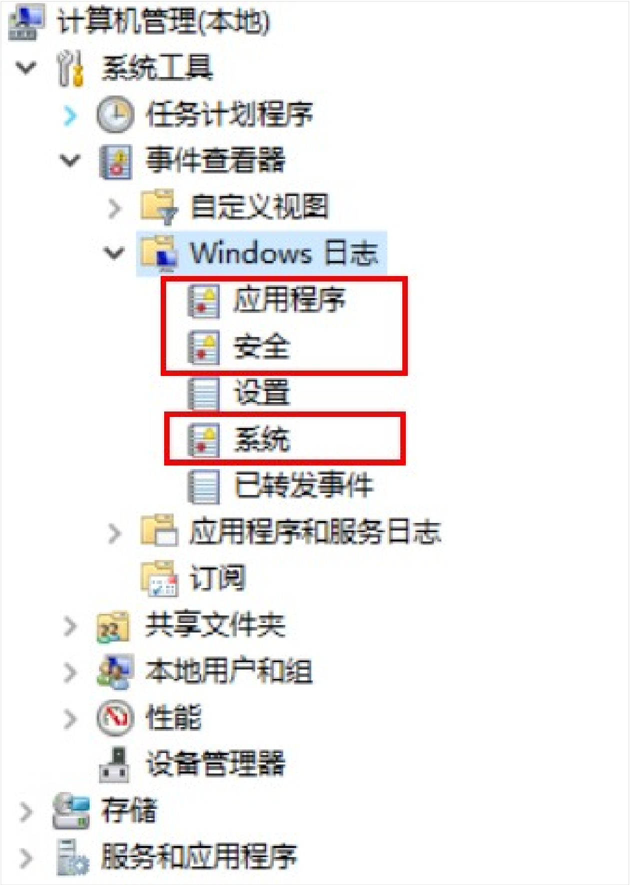
- □windows□□□□□“□□”□□□“□□□”□□□“□□”□□□“□□□□ > □□□□□ > Windows□□”□□□□□
- □windows□□□□□□□□□□□□□□□□
  - □□□□
  - □□□□□□
  - □□□□



Windows [illegible]

- Windows [illegible]

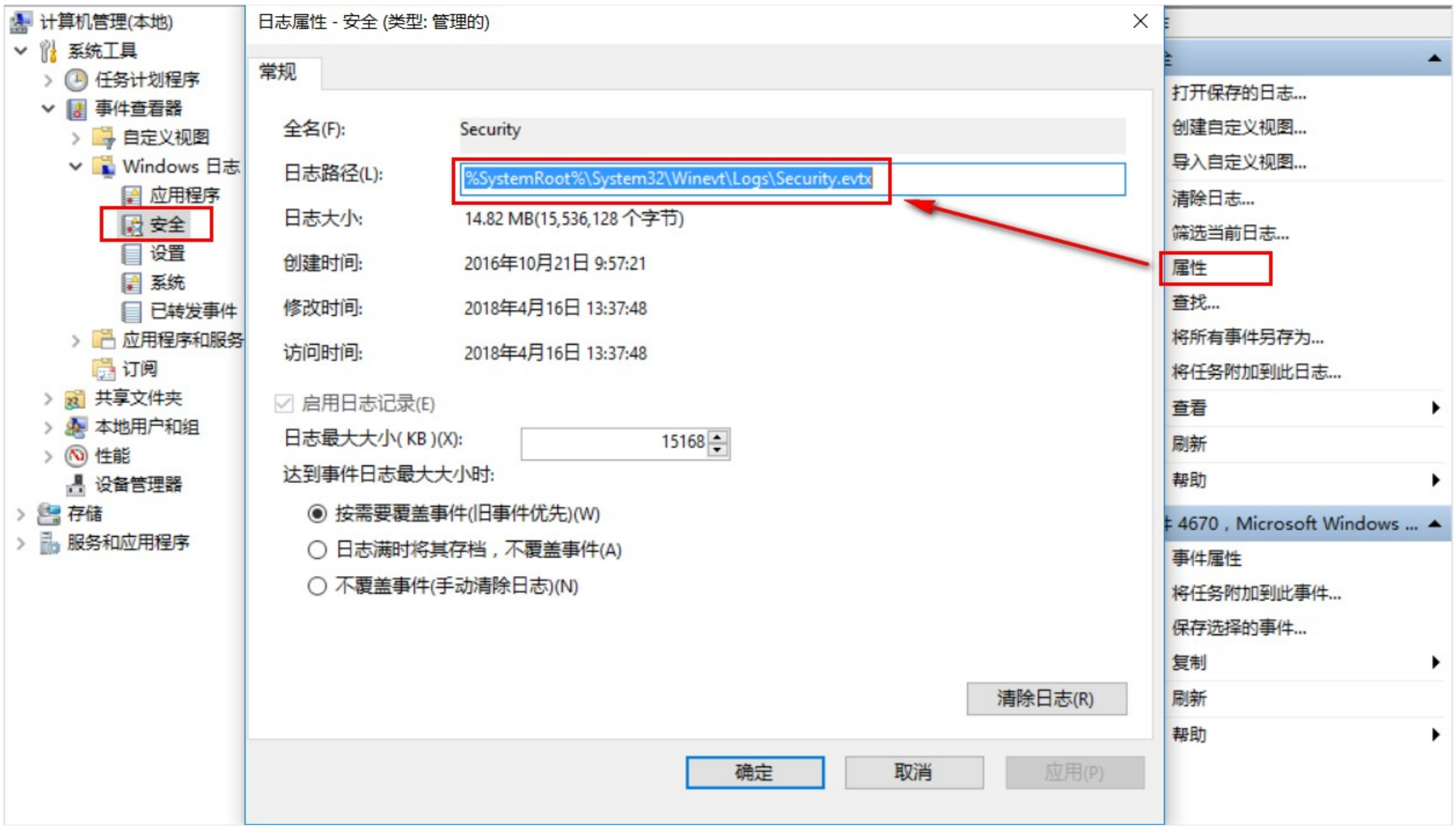
[illegible]	[illegible]	Vista/Win7/Win8//Win10/Server 2008/Server 2012 [illegible]
[illegible]	[illegible]	%SystemRoot%\System32\Winevt\Logs\System.evtx
[illegible]	[illegible]	%SystemRoot%\System32\Winevt\Logs\Application.evtx
[illegible]	[illegible]	%SystemRoot%\System32\Winevt\Logs\Security.evtx

[illegible] © 2018 [illegible]

HUAWEI

Windows日志存储位置

• 以安全日志为例，选择“属性”，查看日志的具体信息，如下图：



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Windows [illegible]

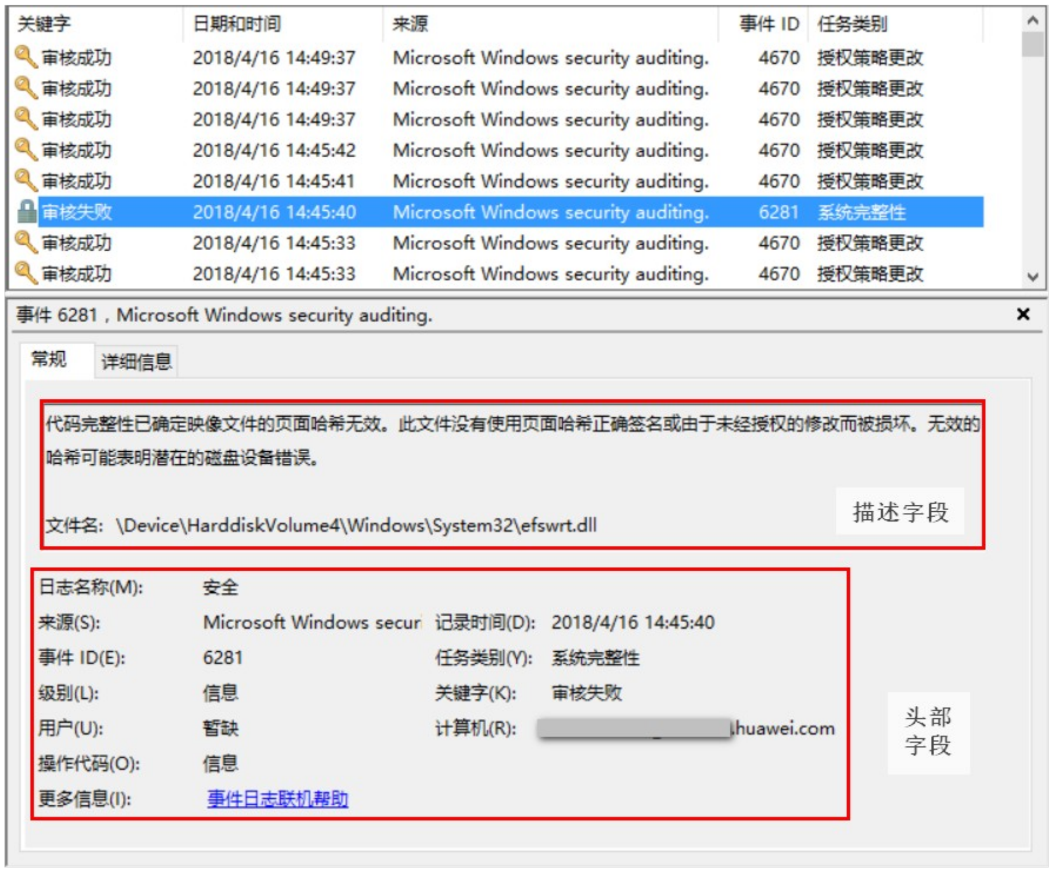
- [illegible]

[illegible]	[illegible]
[illegible]Information[illegible]	[illegible]
[illegible]Warning[illegible]	[illegible]“[illegible]”[illegible]
[illegible]Error[illegible]	[illegible]，[illegible]
[illegible]Success audit[illegible]	[illegible]/[illegible]“[illegible]”[illegible]
[illegible]Failure audit[illegible]	[illegible]

[illegible]© 2018 [illegible]

Windows □□□□

- Windows □□□□□□□□□□□□□□□□



[illegible]

1. [illegible]
2. **[illegible]**
   - [illegible]
   - [illegible]

[illegible]

- [illegible]“[illegible]”[illegible]

[illegible] © 2018 [illegible]

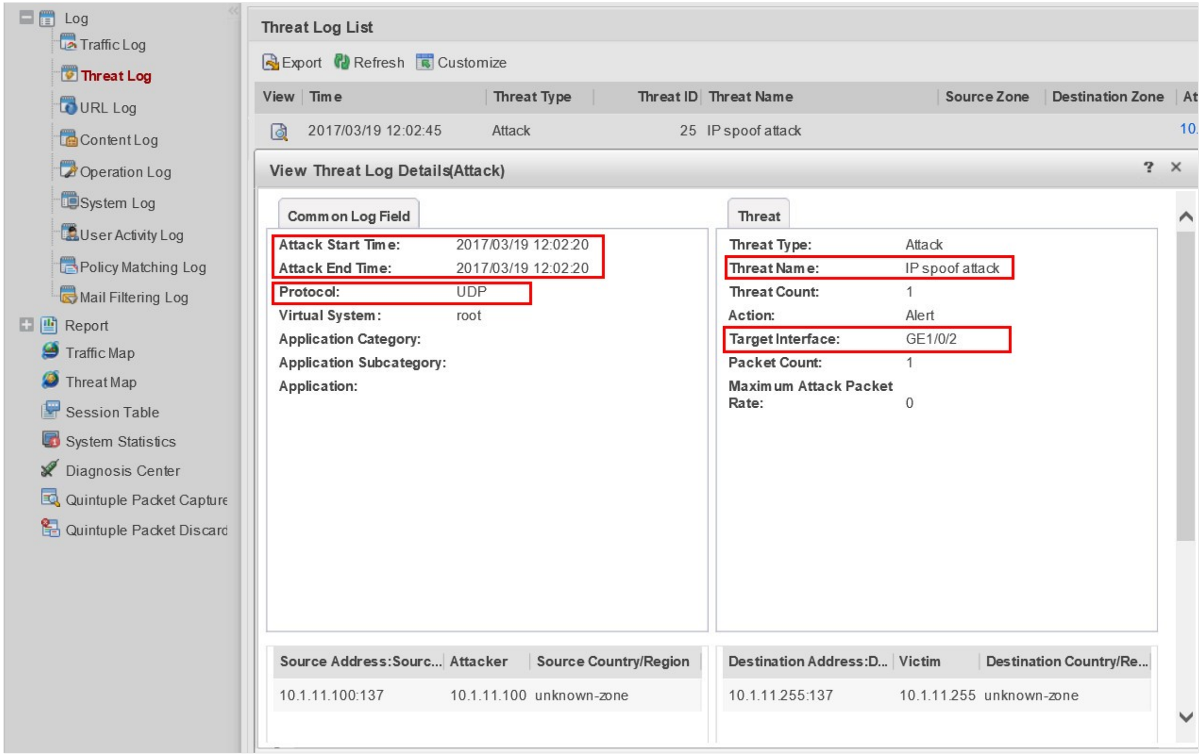
[illegible]

Who	[illegible]	[illegible]		
When	[illegible]			
where	[illegible]	[illegible]	[illegible]	[illegible]
How	[illegible]	[illegible]	VPN	
What	[illegible]	[illegible]	[illegible]	

[illegible] © 2018 [illegible]

网络设备日志分析

• 以防火墙为例，可以通过日志，分析攻击行为。如下图，通过“威胁日志” 发现存在 IP Spoof Attack，并可以获得攻击的时间，使用的协议，接收接口等信息。



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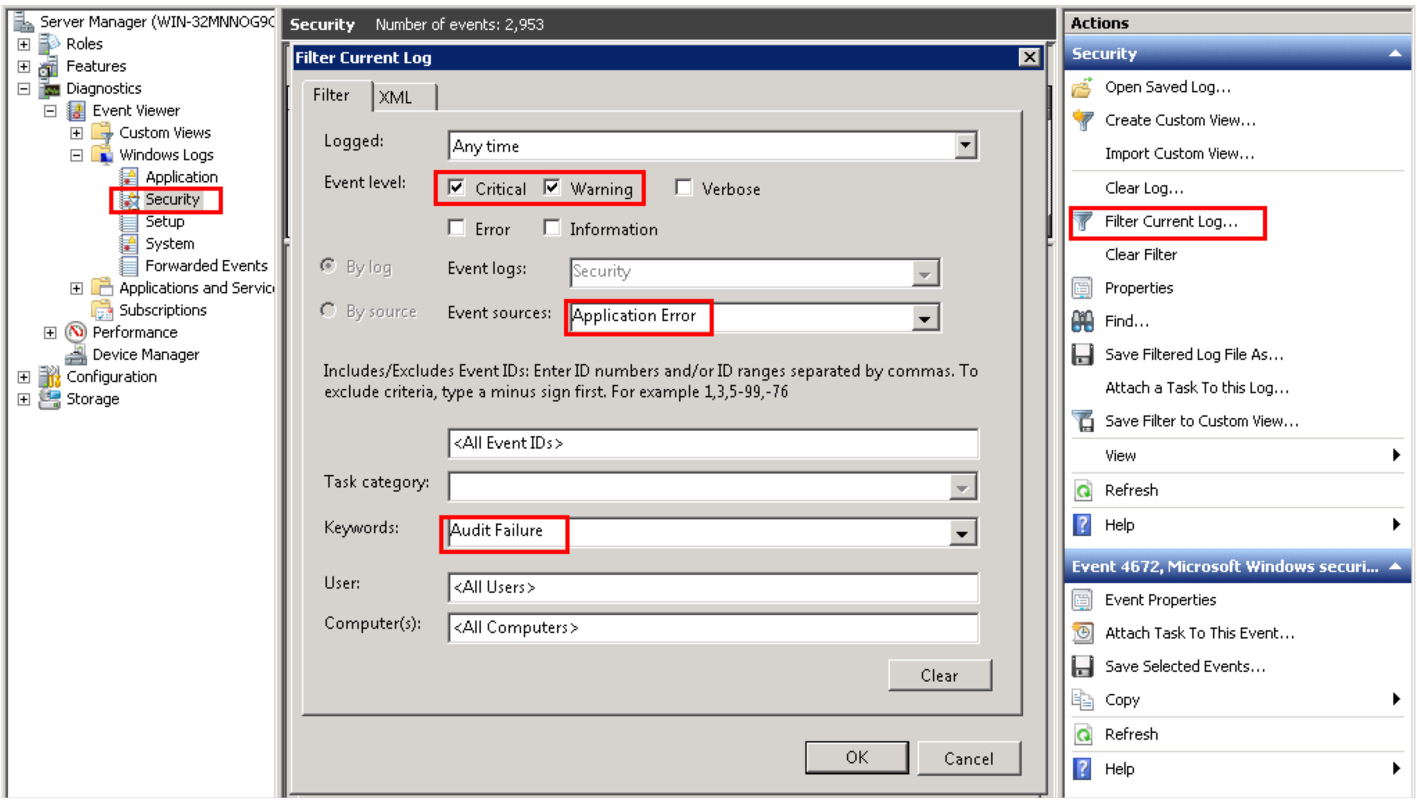
[illegible]

- [illegible] Windows [illegible]
  [illegible]



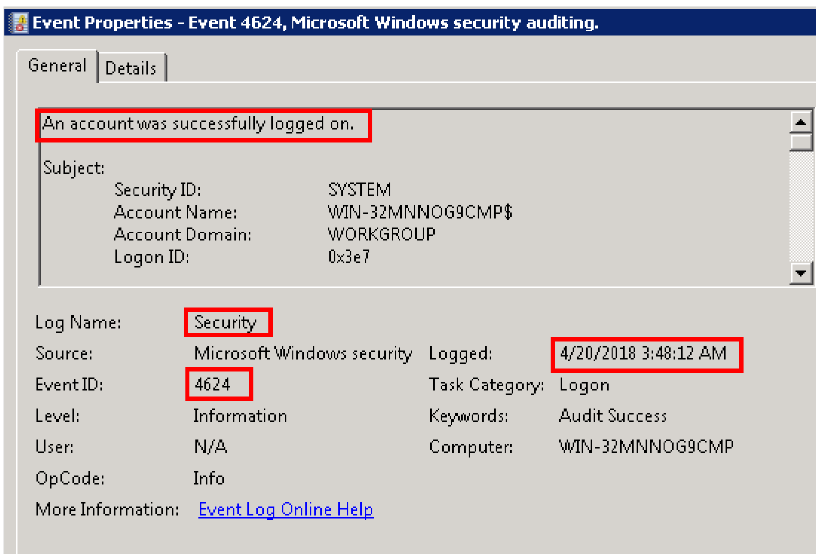
Server Manager (WIN-32MNNOG9C
Roles
Features
Diagnostics
Event Viewer
Custom Views
Windows Logs
Application
Security
Setup
System
Forwarded Events
Applications and Servic
Subscriptions
Performance
Device Manager
Configuration
Storage
Security Number of events: 2,953
Filter Current Log
Filter
XML
Logged:
Any time
Event level:
Critical
Warning
Verbose
Error
Information
By log
Event logs:
Security
By source
Event sources:
Application Error
Includes/Excludes Event IDs: Enter ID numbers and/or ID ranges separated by commas. To exclude criteria, type a minus sign first. For example 1,3,5-99,-76
<All Event IDs>
Task category:
Keywords:
Audit Failure
User:
<All Users>
Computer(s):
<All Computers>
Clear
OK
Cancel
Actions
Security
Open Saved Log...
Create Custom View...
Import Custom View...
Clear Log...
Filter Current Log...
Clear Filter
Properties
Find...
Save Filtered Log File As...
Attach a Task To this Log...
Save Filter to Custom View...
View
Refresh
Help
Event 4672, Microsoft Windows securi...
Event Properties
Attach Task To This Event...
Save Selected Events...
Copy
Refresh
Help

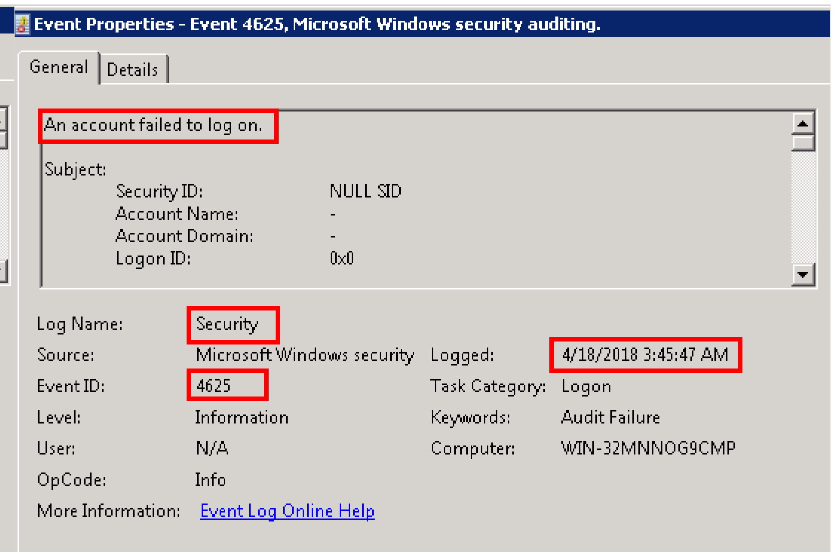
[illegible]

- [illegible]
  - [illegible]
  - [illegible]
- [illegible] ID [illegible]
  - 4624 – [illegible]
  - 4625 – [illegible]
  - 4634 – [illegible]
  - 4672 – [illegible]

[illegible]

- [illegible]

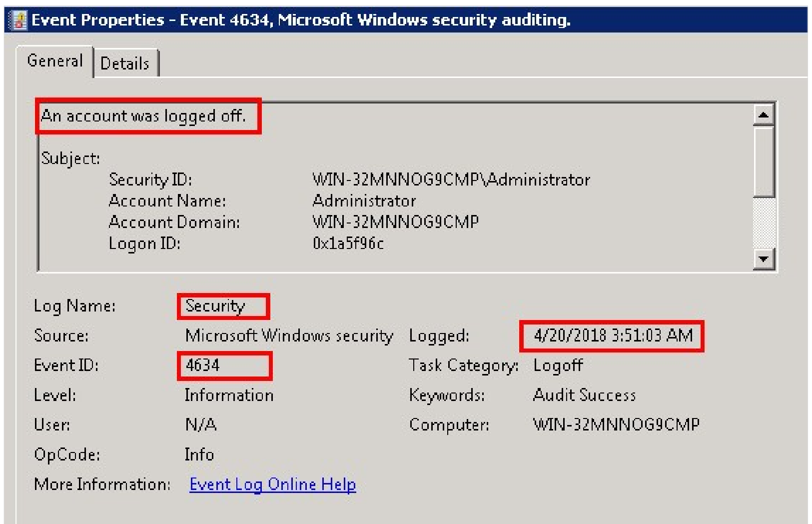

Event Properties - Event 4624, Microsoft Windows security auditing.
General
Details
An account was successfully logged on.
Subject:
Security ID: SYSTEM
Account Name: WIN-32MNNOG9CMP$
Account Domain: WORKGROUP
Logon ID: 0x3e7
Log Name: Security
Source: Microsoft Windows security
Logged: 4/20/2018 3:48:12 AM
Event ID: 4624
Task Category: Logon
Level: Information
Keywords: Audit Success
User: N/A
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help


Event Properties - Event 4625, Microsoft Windows security auditing.
General
Details
An account failed to log on.
Subject:
Security ID: NULL SID
Account Name: -
Account Domain: -
Logon ID: 0x0
Log Name: Security
Source: Microsoft Windows security
Logged: 4/18/2018 3:45:47 AM
Event ID: 4625
Task Category: Logon
Level: Information
Keywords: Audit Failure
User: N/A
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help

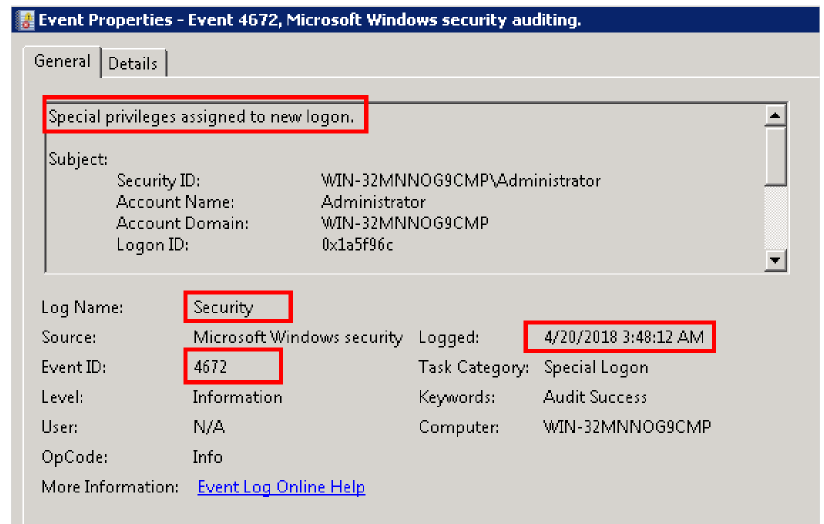
[illegible] © 2018 [illegible]

[illegible]

- [illegible]



Event Properties - Event 4634, Microsoft Windows security auditing.
General
Details
An account was logged off.
Subject:
Security ID: WIN-32MNNOG9CMP\Administrator
Account Name: Administrator
Account Domain: WIN-32MNNOG9CMP
Logon ID: 0x1a5f96c
Log Name: Security
Source: Microsoft Windows security
Logged: 4/20/2018 3:51:03 AM
Event ID: 4634
Task Category: Logoff
Level: Information
Keywords: Audit Success
User: N/A
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help



Event Properties - Event 4672, Microsoft Windows security auditing.
General
Details
Special privileges assigned to new logon.
Subject:
Security ID: WIN-32MNNOG9CMP\Administrator
Account Name: Administrator
Account Domain: WIN-32MNNOG9CMP
Logon ID: 0x1a5f96c
Log Name: Security
Source: Microsoft Windows security
Logged: 4/20/2018 3:48:12 AM
Event ID: 4672
Task Category: Special Logon
Level: Information
Keywords: Audit Success
User: N/A
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help

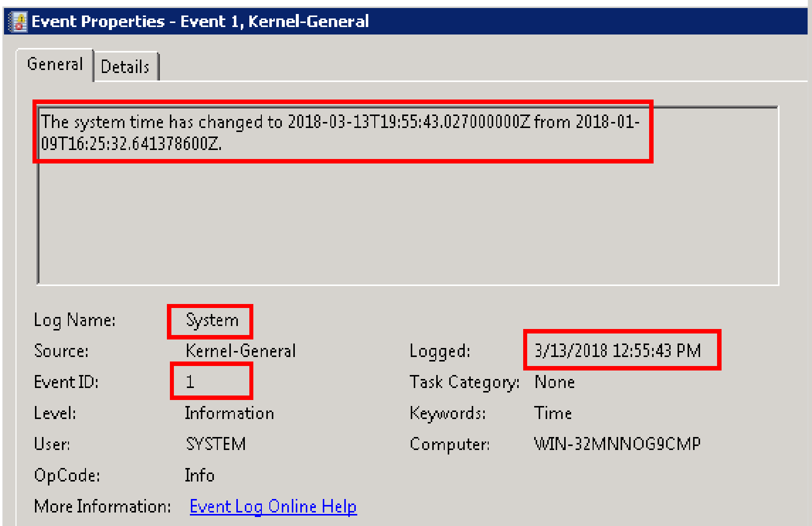
[illegible] © 2018 [illegible]

[illegible]

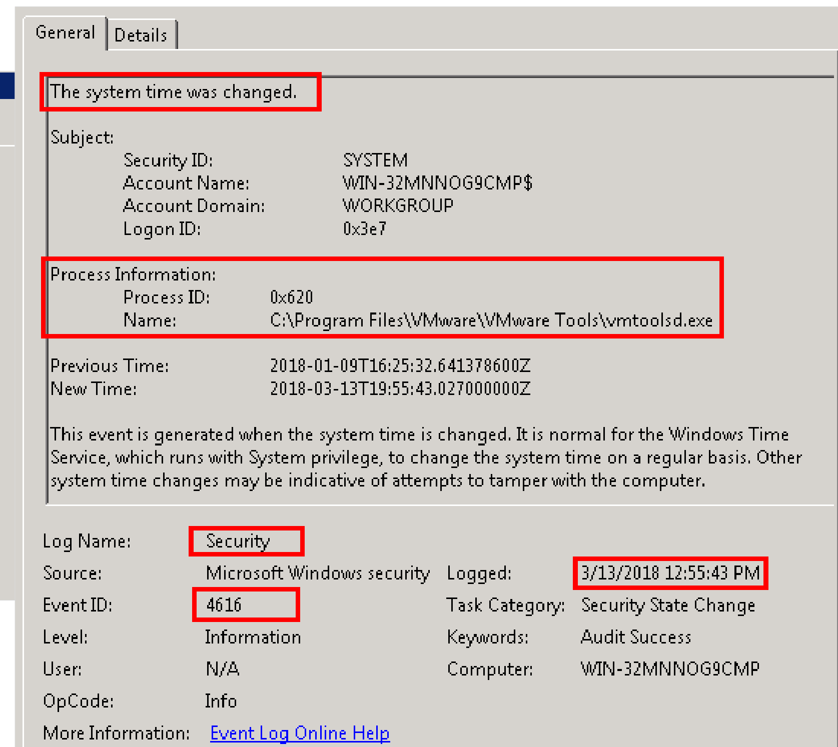
- [illegible]
  - [illegible]
- [illegible]ID[illegible]
  - 1 – Kernel-General [illegible]
  - 4616 – [illegible]

[illegible]

- [illegible]



Event Properties - Event 1, Kernel-General
General
Details
The system time has changed to 2018-03-13T19:55:43.027000000Z from 2018-01-09T16:25:32.641378600Z.
Log Name: System
Source: Kernel-General
Logged: 3/13/2018 12:55:43 PM
Event ID: 1
Task Category: None
Level: Information
Keywords: Time
User: SYSTEM
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help



General
Details
The system time was changed.
Subject:
Security ID: SYSTEM
Account Name: WIN-32MNNOG9CMP$
Account Domain: WORKGROUP
Logon ID: 0x3e7
Process Information:
Process ID: 0x620
Name: C:\Program Files\VMware\VMware Tools\vmtoolsd.exe
Previous Time: 2018-01-09T16:25:32.641378600Z
New Time: 2018-03-13T19:55:43.027000000Z
This event is generated when the system time is changed. It is normal for the Windows Time Service, which runs with System privilege, to change the system time on a regular basis. Other system time changes may be indicative of attempts to tamper with the computer.
Log Name: Security
Source: Microsoft Windows security
Logged: 3/13/2018 12:55:43 PM
Event ID: 4616
Task Category: Security State Change
Level: Information
Keywords: Audit Success
User: N/A
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help

[illegible] © 2018 [illegible]

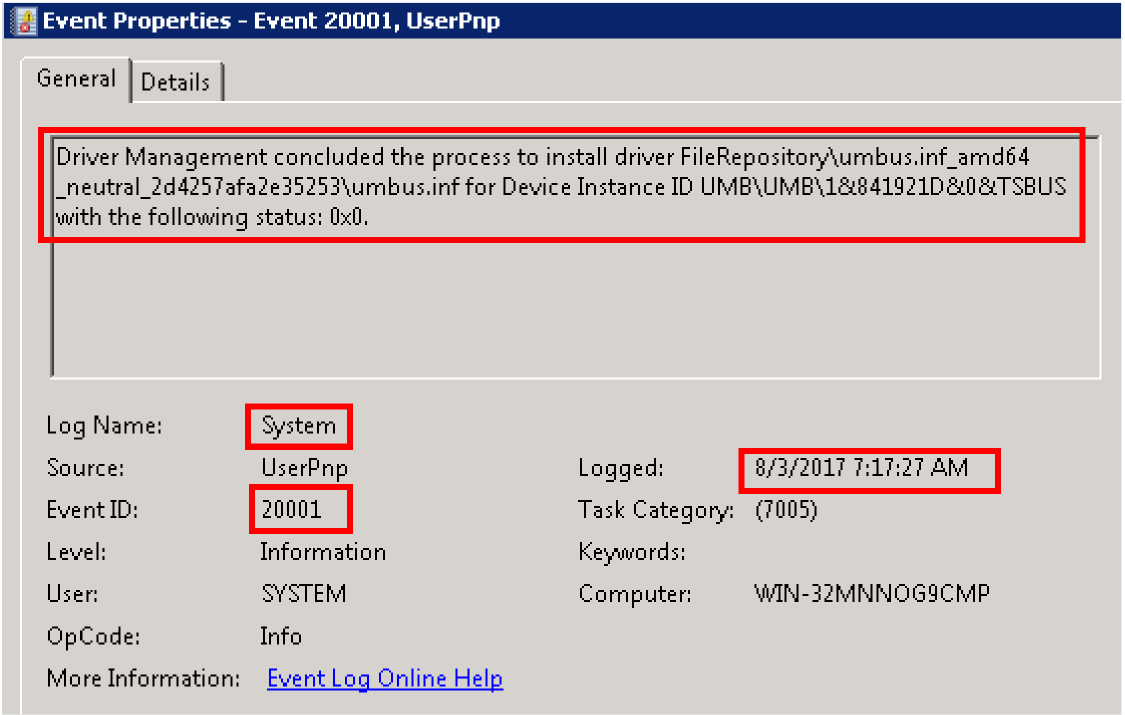
[illegible]

- [illegible]
  - [illegible]
- [illegible] ID [illegible]
  - 20001/20003 – [illegible]

[illegible] © 2018 [illegible]

[illegible]

- [illegible]


Event Properties - Event 20001, UserPnp
General
Details
Driver Management concluded the process to install driver FileRepository\umbus.inf_amd64_neutral_2d4257afa2e35253\umbus.inf for Device Instance ID UMB\UMB\1&841921D&0&TSBUS with the following status: 0x0.
Log Name: System
Source: UserPnp
Logged: 8/3/2017 7:17:27 AM
Event ID: 20001
Task Category: (7005)
Level: Information
Keywords:
User: SYSTEM
Computer: WIN-32MNNOG9CMP
OpCode: Info
More Information: Event Log Online Help

[illegible]

1. [illegible]

2. **[illegible]**

   - [illegible]
   - [illegible]

日志分析工具

• Log Parser是微软公司出品的日志分析工具，它功能强大，使用简单，可以分析基于文本的日志文件、XML 文件、CSV（逗号分隔符）文件，以及操作系统的事件日志、注册表、文件系统、Active Directory。但需要能够熟练的使用SQL语言。
• Log Parser Lizard 使用图形界面，比较易于使用，甚至不需要记忆繁琐的命令，只需要做好设置，写好基本的SQL语句，就可以直观的得到结果。

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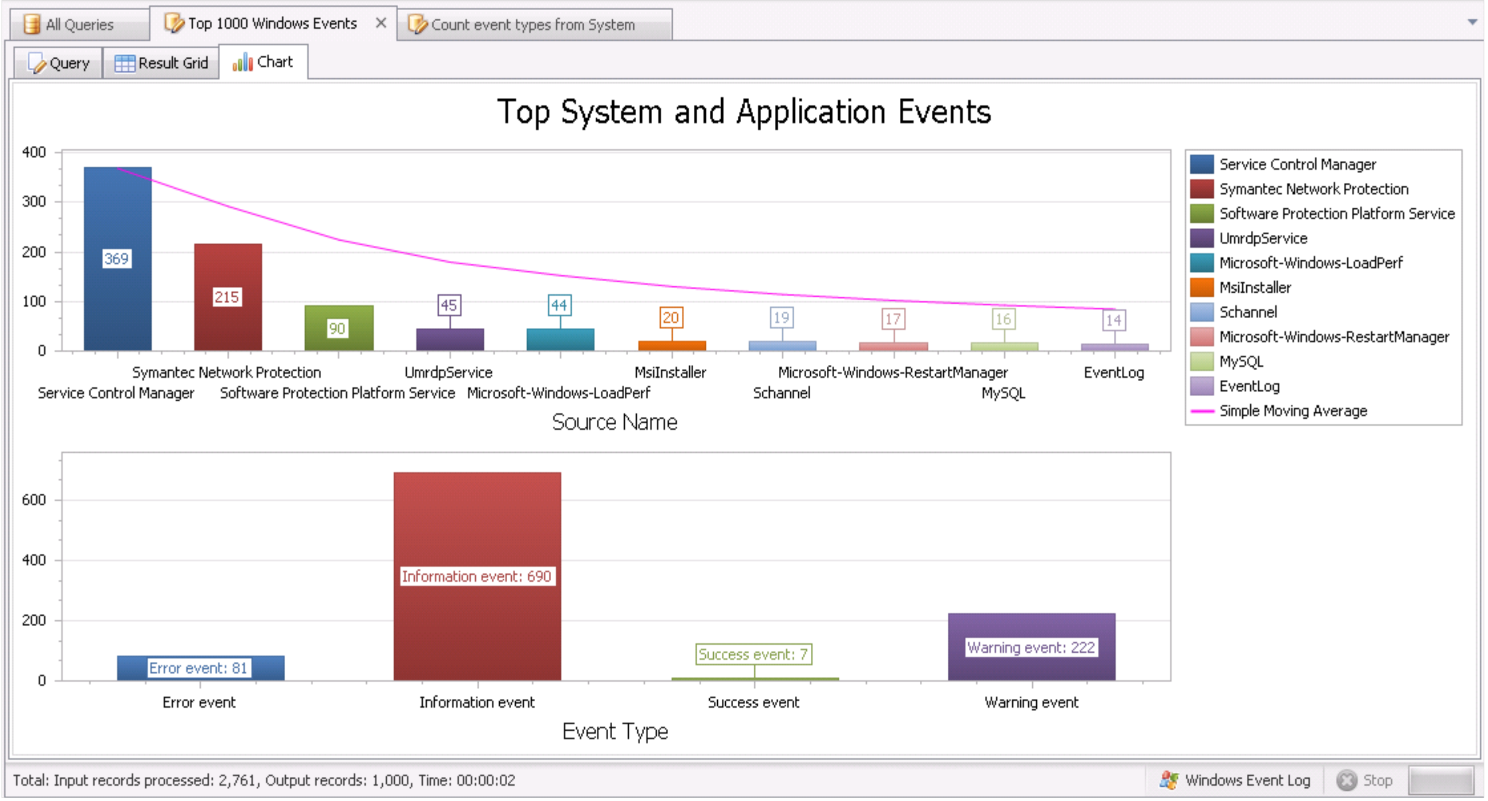
Log Parser Lizard □□□□（1）

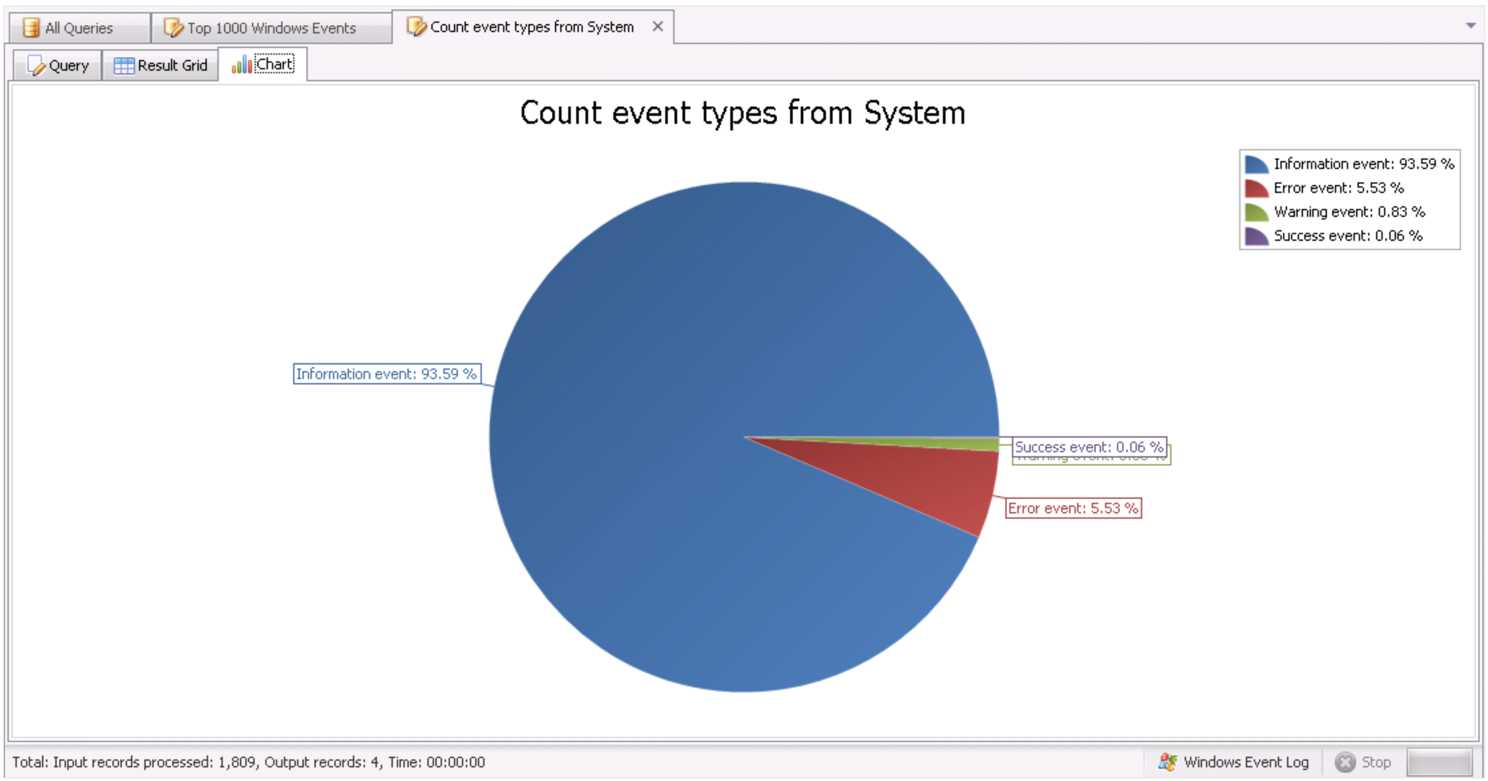
- □□□□□□□□□Log Parser Lizard □□“ TOP 1000 Windows Event” □□□□



□□□□ © 2018 □□□□□□□□

Log Parser Lizard □□□□（2)

- □□□□□□□□ Log Parser Lizard □□“ Count event types from System” □□□□



[illegible]

1. [illegible]（ ）

   A. [illegible]

   B. [illegible]

   C. [illegible]

   D. [illegible]

2. Windows [illegible]（ ）

   A. [illegible]

   B. [illegible]

   C. [illegible]

   D. [illegible]

[illegible]

- [illegible]
  - [illegible]
  - [illegible]
- [illegible]
  - [illegible]
  - [illegible]

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